

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-016412**Date Inspected:** 17-Aug-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Xu Tao**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Components**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Hiranch Patel, was present during the times noted above for observations relative to the work being performed.

Bay#19

This QA inspector performed MT of approximately 15% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an MT report for this date. The member is identified as OBG Components. The weld designations reviewed are as follows:

- (SB17-88-002, 003, 021~024, 027~030, 033~036, 039, 041, 042, 045~048, 051~054, 057~060, 063~066)
- (SB17-86-002, 003, 021~024, 027~030, 057~060, 063~066, 033, 034, 039, 040, 045, 046, 051, 052)
- (SB20-88-002, 003, 021~024, 027~030, 057~060, 063~066, 033, 034, 039, 040, 045, 046, 051, 052)
- (SB17-88-040)-Rejectable Indication found.

During the Quality Assurance Magnetic Particle Testing (MT) review of welds located on Suspender Bracket(SB) 88W, this Quality Assurance Inspector (QA) discovered the following issues:

- Twelve (12) Transverse linear indications measuring approximately 5 mm~8mm in length.
- The weld is identified as: SB017-088-040.
- The weld is a fillet weld type joining the Top Plate SB88W-B to vertical stiffener X56.
- The SB88W is located in OBG fabrication bay#19.

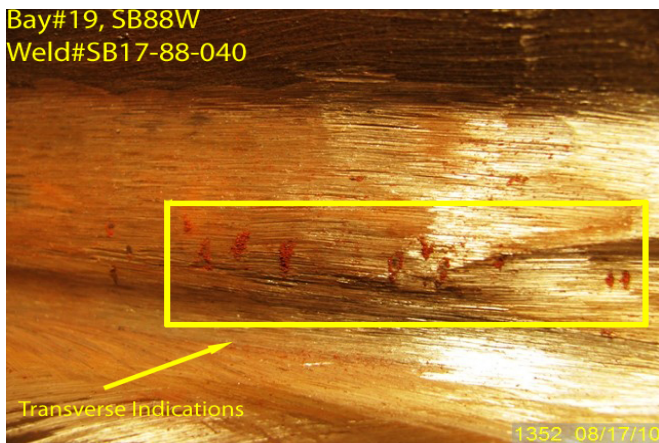
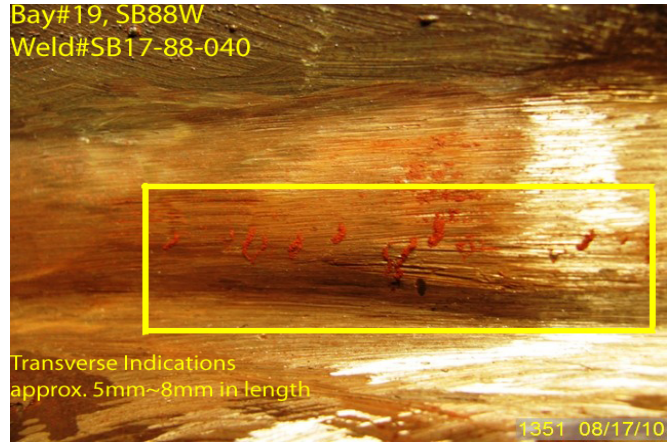
The Notice of Witness Inspection Number (NWIT) is 006417. The indication is located within the area that has been previously tested and accepted by ZPMC Quality Control (QC) personnel. ZPMC's QC personnel are required to perform twenty five (25%) percent MT inspection of this weld.

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For further information, please see the attached pictures below. Please see incident report written on this date.

Unless otherwise noted, all observed on this date appeared to generally comply with applicable contract documents.



Summary of Conversations:

No relevant conversations.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 150-0042-2372, who represents the Office of Structural Materials for your project.

Inspected By: Patel, Hiranch

Quality Assurance Inspector

Reviewed By: McClendon, Timothy

QA Reviewer